

Converting Colors

XYZ(31.8607, 63.6668, 10.7884)

Have a look what the booklet for
XYZ(31.8607, 63.6668, 10.7884)
contains.

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Color

**XYZ(31.7850, 63.5174,
10.7571)**

Conversions

Conversions Part 1

Format	Color
Hex	00F206
RGB	0, 242, 6
RGB Percent	0%, 95%, 2%
CMY	1.0000, 0.0510, 0.9763
CMYK	1.00, 0.00, 0.98, 0.05
HSL	121°, 100%, 47%
HSV	121°, 100%, 95%
XYZ	31.7850, 63.5174, 10.7571
YIQ	142.7380, -68.4760, -124.7000

Conversions

Conversions Part 2

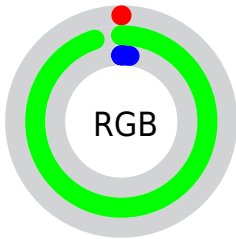
Format	Color
RYB	0, 236, 242
Decimal	61958
CIELab	83.71, -82.75, 79.46
CIElCh	84, 114.723, 136.160
Yxy	63.5174, 0.2997, 0.5989
Android (android.graphics.Color)	4278252038 (0xFF00F206)
YUV	142.7380, -67.4118, -125.1812
Hunter-Lab	79.6978, -68.2820, 47.7859

Details

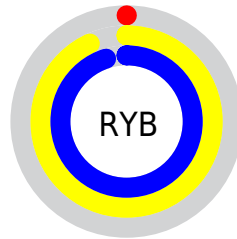
The XYZ color **31.7850, 63.5174, 10.7571** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **51.7557, 24.9325, 81.4202**, and the grayscale version is **26.2866, 27.6556, 30.1169**.

A 20% lighter version of the original color is **44.8508, 75.9883, 22.2009**, and **17.1405, 34.2810, 5.7135** is the 20% darker color. If you saturate the color by 10%, you get **31.7865, 63.5200, 10.7585**, and if you desaturate by 10%, it is **32.3646, 63.7953, 11.8117**.

Distribution



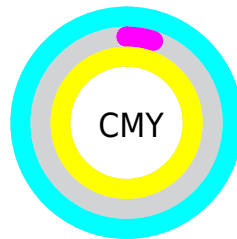
- Red (0%)
- Green (95%)
- Blue (2%)



- Red (0%)
- Yellow (93%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (98%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7850, 63.5174, 10.7571 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 31.7850, 63.5174, 10.7571 by changing the saturation by 10% instead.


 31.7850, 63.5174,
10.7571


 31.7850, 63.5174,
10.7571


301.9014,
437.4448, 206.6707

 21.3521, 46.2599,
5.7916


 61.8414, 109.9156,
27.8399

 13.4955, 32.4510,
2.6521


 82.1955, 139.8251,
40.7943


 7.8500, 21.7062,
0.9192

 106.5874,
174.7208, 57.2487

 4.0501, 13.6412,
0.0000

 135.3825,
214.9870, 77.6218

 1.7305, 7.8715,
0.0000

 168.9461,
261.0081, 102.3319

 0.4753, 4.0128,
0.0000

 207.6435,

 0.0000, 1.6808,

313.1685, 131.7978

0.0000

251.8402,
371.8526, 166.4379

■ 0.0000, 0.4111,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.7850, 63.5174,
10.7571

■ 31.7850, 63.5174,
10.7571

■ 31.7865, 63.5200,
10.7585

■ 32.3646, 63.7953,
11.8117

■ 33.6392, 64.4041,
14.0540

■ 35.8044, 65.4411,
17.7331

■ 38.9829, 66.9657,
23.0351

■ 43.2783, 69.0277,
30.1179

■ 48.7814, 71.6711,
39.1210

■ 55.5735, 74.9350,
50.1699

■ 63.7291, 78.8555,
63.3795

■ 73.3169, 83.4655,
78.8563

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.8916, 63.5174, 3.2016



31.7850, 63.5174, 10.7571



24.5462, 63.5174, 41.0453

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.7850, 63.5174, 10.7571



49.5295, 63.5174, 309.5048



119.7261, 63.5174, 37.3400

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.7850, 63.5174, 10.7571



51.7557, 24.9325, 81.4202

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



120.5273, 63.5174, 107.8480



31.7850, 63.5174, 10.7571



74.8502, 63.5174, 305.5827

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.7850, 63.5174, 10.7571



32.6957, 63.5174, 224.7955



102.3837, 63.5174, 216.2123



100.4287, 63.5174, 9.6513

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.7850, 63.5174, 10.7571



23.9342, 63.5174, 85.1043



102.3837, 63.5174, 216.2123



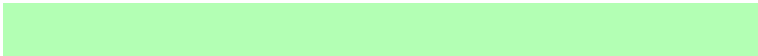
122.3190, 63.5174, 55.3423

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.7865, 63.5200, 10.7585



62.5148, 84.3561, 56.3851



67.0035, 81.6789, 12.2342



12.6506, 17.7048, 10.8825



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.7865, 63.5200, 10.7585



35.7948, 71.5339, 12.1034



35.4574, 64.9884, 30.0893



15.5819, 17.6628, 16.8211



17.0826, 34.1251, 5.8179



1.4267, 2.8411, 0.5134

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.7557, 24.9325, 81.4202



58.2834, 28.0773, 91.6791



39.8285, 20.1617, 18.6126



16.4363, 16.0242, 19.8535



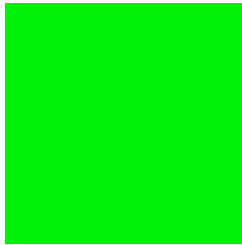
27.8105, 13.3966, 43.7803



2.3189, 1.1166, 3.6704

Previews

White Background



This preview shows how the XYZ color 31.7850, 63.5174, 10.7571 looks on a white background.

Color Contrast Check

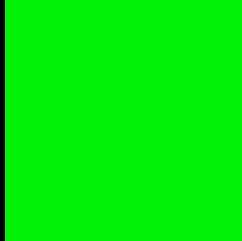
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.7850, 63.5174, 10.7571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

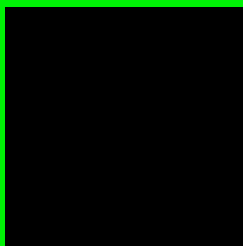
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

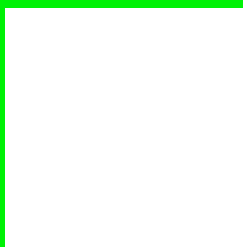
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7850, 63.5174, 10.7571

Background



This preview shows how black text looks on a background with the XYZ color 31.7850, 63.5174, 10.7571.



This preview shows how white text looks on a background with the XYZ color 31.7850, 63.5174,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31.7850, 63.5174, 10.7571

Protanopia

55.9171, 61.9493, 9.0103

Deuteranopia

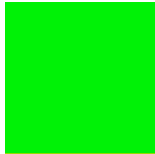
62.8860, 61.8644, 17.4307



Tritanopia

48.5824, 63.1463, 94.4219

Trichromacy



Original Color

31.7850, 63.5174, 10.7571



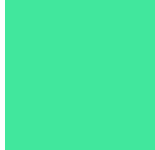
Protanomaly

37.8169, 57.4867, 9.1603



Deuteranomaly

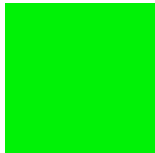
39.4331, 55.5653, 12.5177



Tritanomaly

36.8417, 60.7100, 41.6747

Monochromacy



Original Color

31.7850, 63.5174, 10.7571



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

22.4103, 35.2547, 15.9796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7850, 63.5174, 10.7571 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 242, 6)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 6)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 242, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 6) }
```

Border

The CSS property to change the border of an element to XYZ 31.7850, 63.5174, 10.7571 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 242, 6) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 242, 6) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 242, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 242, 6); box-shadow:4px  
4px 4px 4px rgb(0, 242, 6) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7850, 63.5174, 10.7571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 6) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 242,  
6) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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